

Physical and Chemical Properties
Sciencesaurus, pages 250-254

Name _____

Directions: Put the definitions of the following words into your science notebook.

properties	physical property	chemical property
matter	mass	density
volume	weight	solid
liquid	gas	melting point
freezing point	boiling point	vaporization
physical change	chemical change	ductility
malleability	electrical conductivity	solubility
condensation	freezing	melting

Directions: Answer the following questions in your science notebook in complete sentences.

1. Describe three examples of a chemical property.
2. Explain why folding paper is an example of a physical change.
3. Explain why burning paper is a chemical change.
4. What is the main difference between a physical and chemical change?
5. List three characteristics of each of the following:
solids, liquids, gases, plasma
6. Describe three things you must know in order to understand what makes matter a solid, liquid or gas.
7. Use the "States of Matter" handout to answer the following questions:
 - a. What kind of force needs to be present in order for matter to move from one phase to another?
 - b. What is an example of such a force?
 - c. What needs to be added or taken away in order for matter to change phases?
 - d. Explain why a phase change is an example of a physical change.